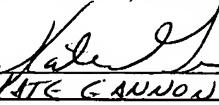


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MUNNS      Examiner: UNKNOWN  
Serial No.: 10/723,382      Group Art Unit: UNKNOWN  
Filed: NOVEMBER 25, 2003      Docket: 3165.41USU1  
Due Date: FEBRUARY 25, 2004  
Title: SUPER LATTICE MODIFICATION OF OVERLYING TRANSISTOR

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: , Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 25, 2004.

By:   
Name: Alice G. Cannon

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**23552**  
PATENT TRADEMARK OFFICE

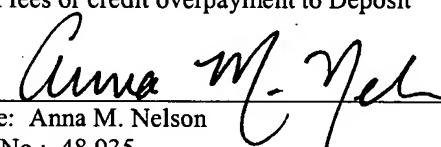
Sir:

We are transmitting herewith the attached:

- Transmittal Sheet in duplicate containing Certificate of Mailing
- Information Disclosure Statement, Form 1449, 10 Reference(s)
- Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
P.O. Box 2903, Minneapolis, MN 55402-0903  
612.332.5300

By:   
Name: Anna M. Nelson  
Reg. No.: 48,935  
ANelson:PLSklg



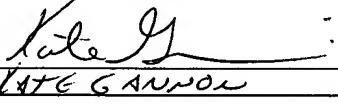
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	MUNNS	Examiner:	UNKNOWN
Serial No.:	10/723,382	Group Art Unit:	UNKNOWN
Filed:	NOVEMBER 25, 2003	Docket No.:	3165.41USU1
Title:	SUPER LATTICE MODIFICATION OF OVERLYING TRANSISTOR		

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By:   
Name: KATE GANNON

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted within three months of the filing date of the above-identified application, which is not an application under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2)(i), a copy of the U.S. patents and U.S. patent publications listed on the enclosed Form 1449 are not provided, as this application was filed after June 30, 2003. A copy of any foreign patent document or "Other Document" listed on the Form 1449 is enclosed, in accordance with 37 C.F.R. §1.98(a)(2).

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

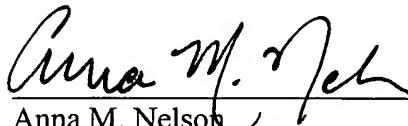
Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

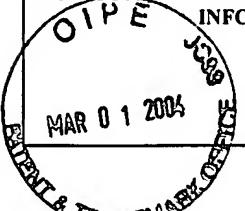
MERCHANT & GOULD P.C.  
P.O. Box 2903  
Minneapolis, MN 55402-0903  
612/332-5300

Date: February 25, 2004

  
Anna M. Nelson  
Anna M. Nelson  
Reg. No. 48,935  
AMN:PLSklg

**23552**

PATENT TRADEMARK OFFICE

 <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> (Use several sheets if necessary)		Docket Number: 3165.41USUI	Application Number: 10/723,382
		Applicant: MUNNS	
		Filing Date: 11/25/2003	Group Art Unit: UNKNOWN

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,677,836	07/18/1972	Lorenz			
	4,205,331	05/27/1980	Esaki et al.			
	4,673,959	06/16/1987	Shiraki et al.			
	5,087,576	02/11/1992	Edmond et al.			
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	5,147,817	09/15/1992	Frazier et al.			
	5,162,243	11/10/1992	Streit et al.			
	5,192,987	03/09/1993	Khan et al.			
	5,208,820	05/04/1993	Kurihara et al.			
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	5,903,017	05/11/1999	Itaya et al.			
	5,932,006	08/03/1999	Santiago et al.			

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <b>IN AN APPLICATION</b> <small>(Use several sheets if necessary)</small>		Docket Number: 3165.41USUI	Application Number: 10/723,382
		Applicant: MUNNS	
		Filing Date: 11/25/2003	Group Art Unit: UNKNOWN

	6,048,748	04/11/2000	Khare et al.			
	6,051,866	04/18/2000	Shaw et al.			
	6,147,364	11/14/2000	Itaya et al.			
	6,150,674	11/21/2000	Yuri et al.			
	6,201,264 B1	03/13/2001	Khare et al.			
	6,208,001 B1	03/27/2001	Santiago et al.			
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	6,342,411 B1	01/29/2002	Pitts, Jr.			
	6,521,961 B1	02/18/2003	Costa et al.			

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

		Fan, Z. et al., "Suppression of leakage currents and their effect on the electrical performance of AlGaN/GaN modulation doped field-effect transistors," <i>Appl. Phys. Lett.</i> , Vol. 69, No. 9, pp. 1229-1231 (August 26, 1996)
		Kusakabe, K. et al., "Reduction of threading dislocations in migration enhanced epitaxy grown GaN with N-polarity by use of AlN multiple interlayer," <i>Journal of Crystal Growth</i> , Vol. 230, pp. 387-391 (2001)
		Heying, B. et al., "Role of threading dislocation structure on the x-ray diffraction peak widths in epitaxial GaN films," <i>Appl. Phys. Lett.</i> , Vol. 68, No. 5, pp. 643-645 (January 29, 1996)
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		Nitta, S. et al., "Mass transport and the reduction of threading dislocation in GaN," <i>Applied Surface Science</i> , Vol. 159-160, pp. 421-426 (2000)
		Sverdlov, B. et al., "Formation of threading defects in GaN wurtzite films grown on nonisomorphic substrates," <i>Appl. Phys. Lett.</i> , Vol. 67, No. 14, pp. 2063-2065 (October 2, 1995)
		Wang, H. et al., "AIN/AlGaN superlattices as dislocation filter for low-threading-dislocation thick AlGaN layers on sapphire," <i>Appl. Phys. Lett.</i> , Vol. 81, No. 4, pp. 604-606 (July 22, 2002)
		Weimann, N. et al., "Scattering of electrons at threading dislocations in GaN," <i>J. Appl. Phys.</i> , Vol. 83, No. 7, pp. 3656-3659 (April 1, 1998)
		Zhang, Y. et al., "Charge control and mobility studies for an AlGaN/GaN high electron mobility transistor," <i>J. Appl. Phys.</i> , Vol. 85, No. 1, pp. 587-594 (January 1, 1999)
		Zhang, X. et al., "Enhanced optical emission from GaN films grown on a silicon substrate," <i>Appl. Phys. Lett.</i> , Vol. 74, No. 14, pp. 1984-1986 (April 5, 1999)

23552  
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EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	